

ABSTRACT

A method for cluster fragmentation comprises the production of at least one cluster which contains a carrier substance and the fragmentation of the cluster into cluster fragments, with the cluster being loaded before the fragmentation with at least one reaction partner and the reaction partner being part of at least one cluster fragment after the fragmentation. A cluster beam system for performing the method, and applications of the cluster fragmentation for analysis and purification of surfaces, for analysis of clusters, and for the operation of ion thrusters are also described.

(Fig. 1)

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